

Cynomolgus PRLR Protein

Cat. No. PLR-CM101

KACUS

Description

Source	Recombinant Cynomolgus PRLR Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln25-Thr236.
Accession	A0A2K5WXK1
Molecular Weight	The protein has a predicted MW of 25.75 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

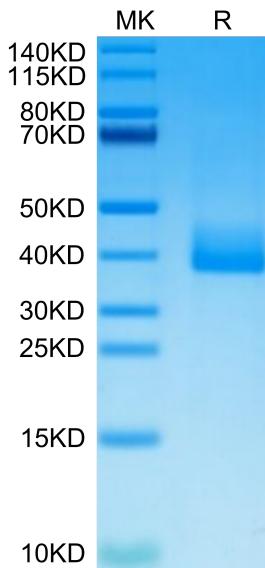
Formulation	Lyophilized from 0.22µm filtered solution in 50mM Tris, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Prolactin receptor (PRLR) is highly expressed in a subset of human breast cancer and prostate cancer, which makes it a potential target for cancer treatment. In clinical trials, the blockade of PRLR was shown to be safe but with poor efficacy. It is therefore urgent to develop new therapies against PRLR target. Bispecific antibodies (BsAbs) could guide immune cells toward tumor cells, and produced remarkable effects in some cancers.

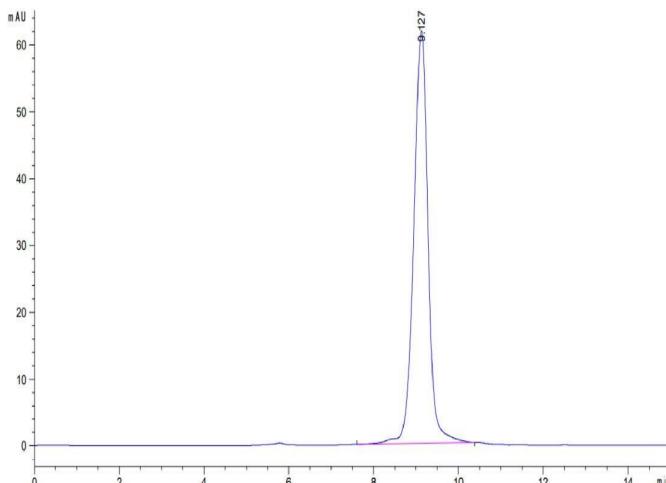
Assay Data

Bis-Tris PAGE

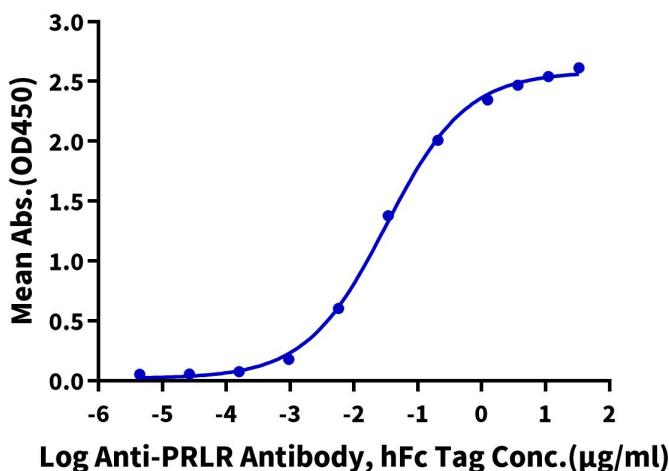


Cynomolgus PRLR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

The purity of Cynomolgus PRLR is greater than 95% as determined by SEC-HPLC.

ELISA Data**Cynomolgus PRLR, His Tag ELISA**0.5 μ g Cynomolgus PRLR, His Tag Per Well

Immobilized Cynomolgus PRLR, His Tag at 5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-PRLR Antibody, hFc Tag with the EC50 of 34.6ng/ml determined by ELISA.